IN THE CLAIMS

Please amend the claims as follows, substituting any amended claim(s) for the corresponding
pending claim(s):

Claims 1-5.   (Cancelled).

1   6.   (Previously Presented) A method comprising:
2   executing a program statement of a main program to perform a particular functional operation by
3   identifying a corresponding functional program using a resource identifier and by specifying an entry
4   point into one of the overlay spaces;
5   using the resource identifier to identify a corresponding functional program to perform the
6   particular functional operation;
7   loading the functional program into an overlay space specified by the specified entry point by:
8   loading the functional program into a specified overlay space assigned to
9   program functions having similar performing tasks; and
10   loading the resource identifier into a register and reading the register to call the
11   functional program into the specified overlay space; and
12   executing the functional program in the overlay space.

Claims 7-8.   (Cancelled)

1   9.   (Previously Presented) The method of claim 6, wherein executing the functional program also
2   includes calling at least one other functional program, in which functional programs are nested for
3   overlaying.

1   10.   (Previously Presented) The method of claim 6, further comprising returning to the main program
2   after executing the functional program in the overlay space.

Claims 11-19.   (Cancelled)